

F I G. 1

80
↙

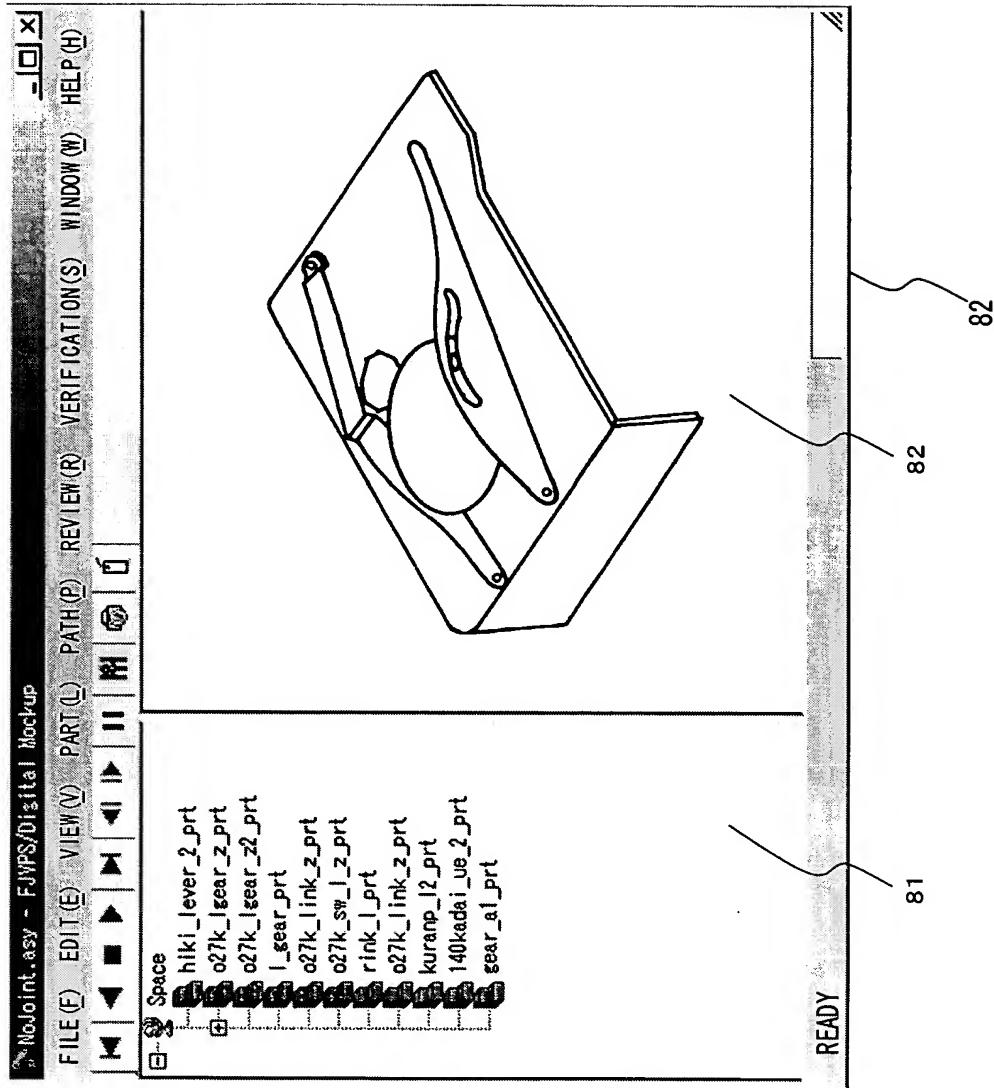
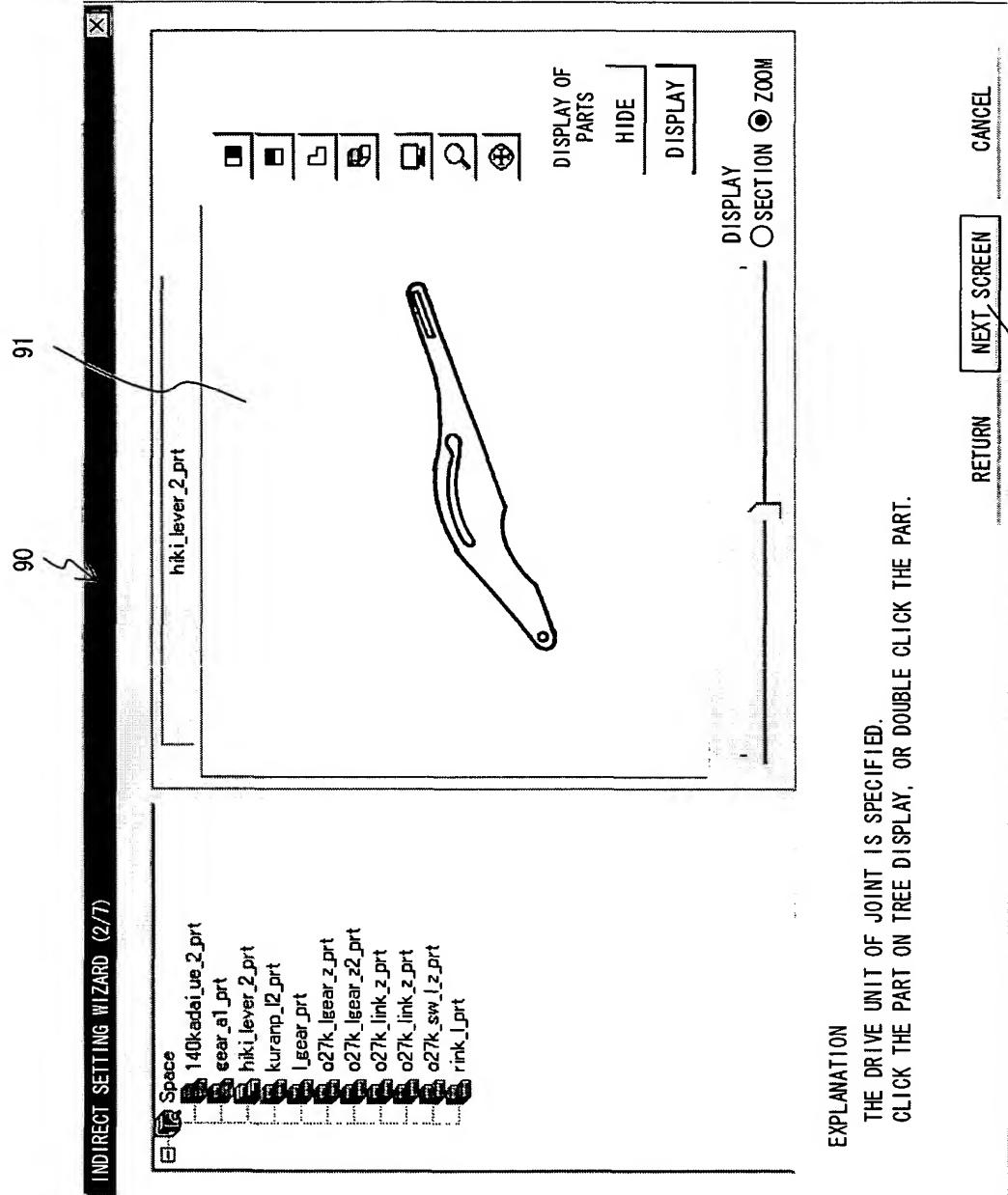


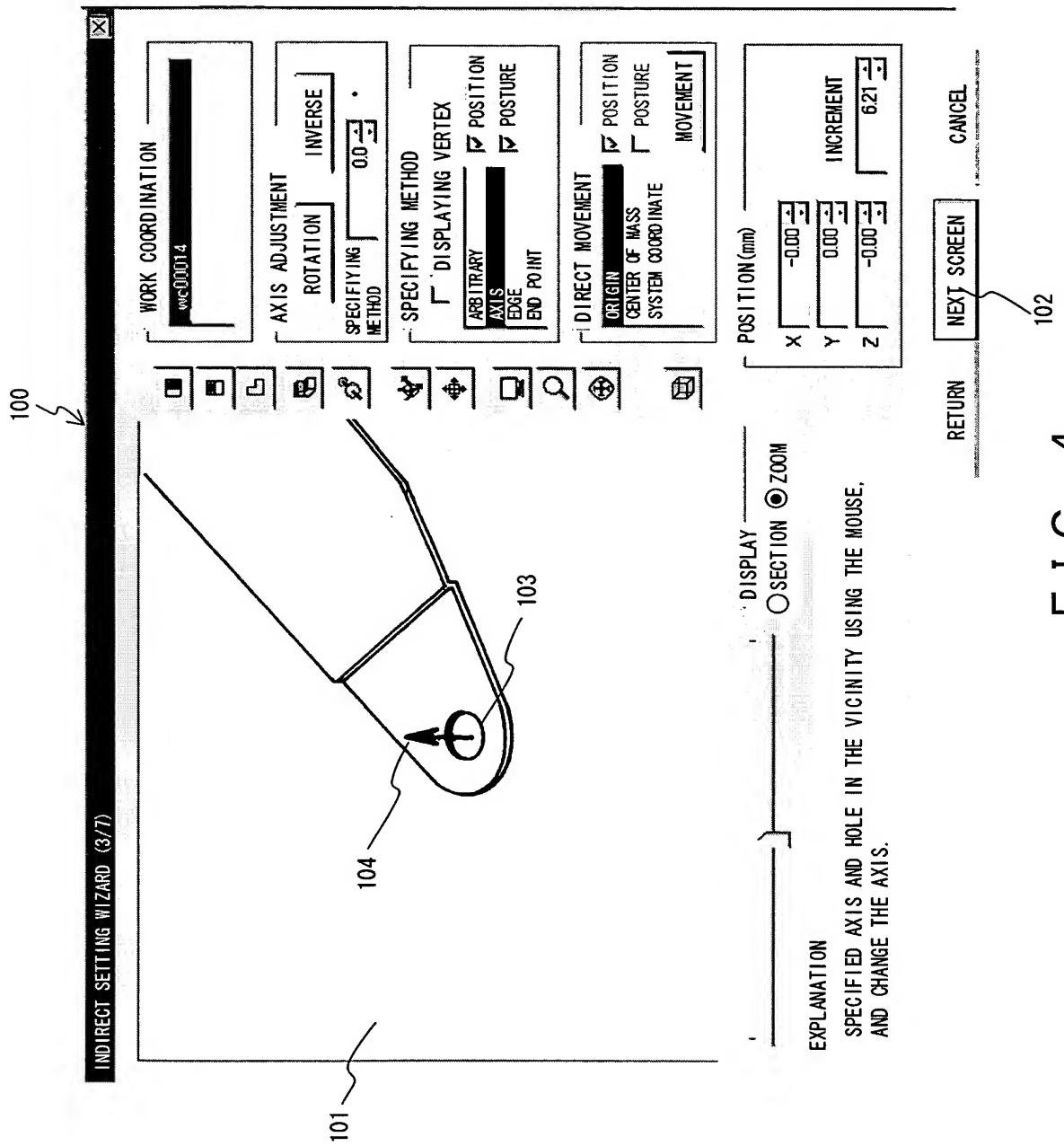
FIG. 2



EXPLANATION

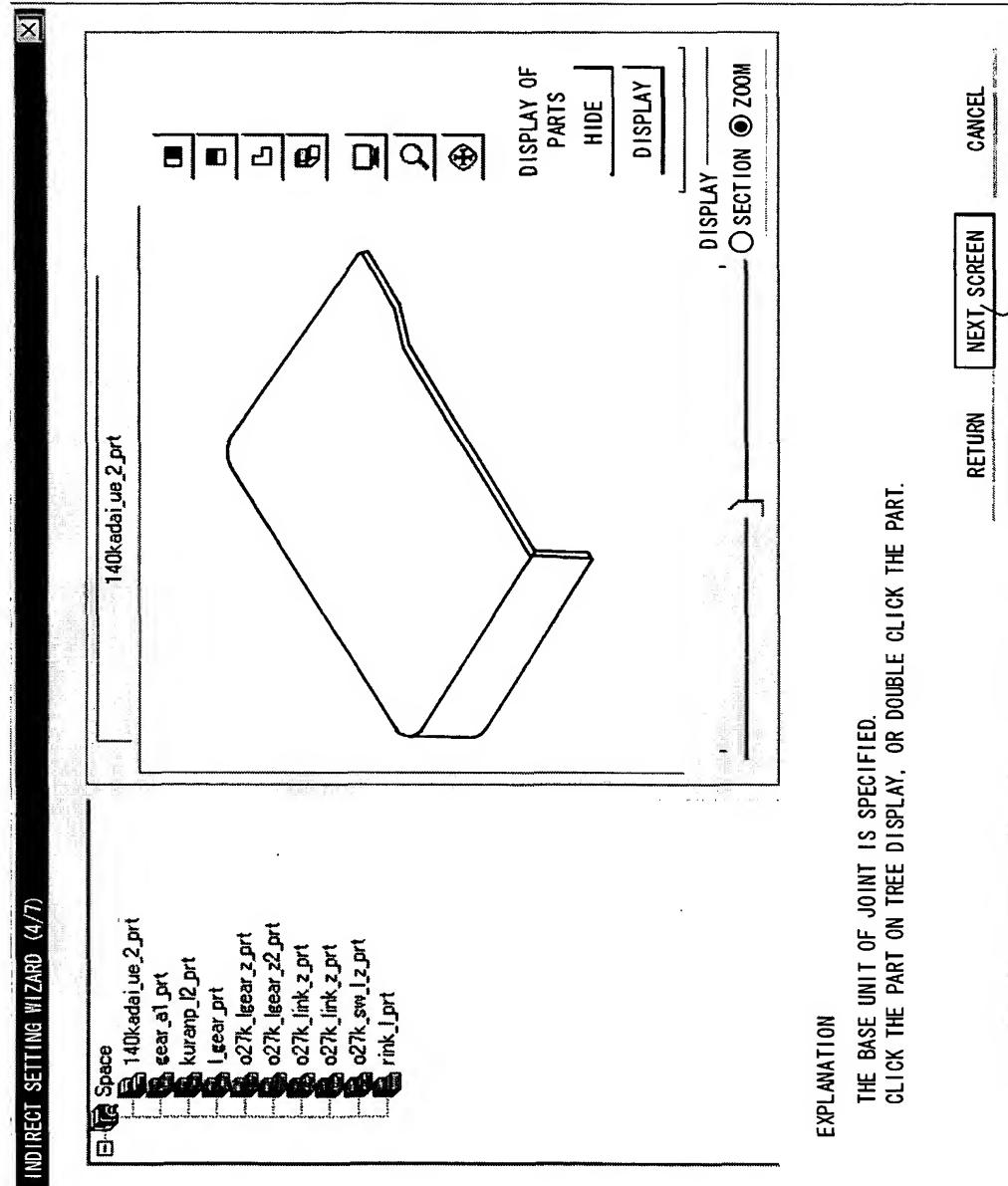
THE DRIVE UNIT OF JOINT IS SPECIFIED.
CLICK THE PART ON TREE DISPLAY, OR DOUBLE CLICK THE PART.

F I G. 3



F I G. 4

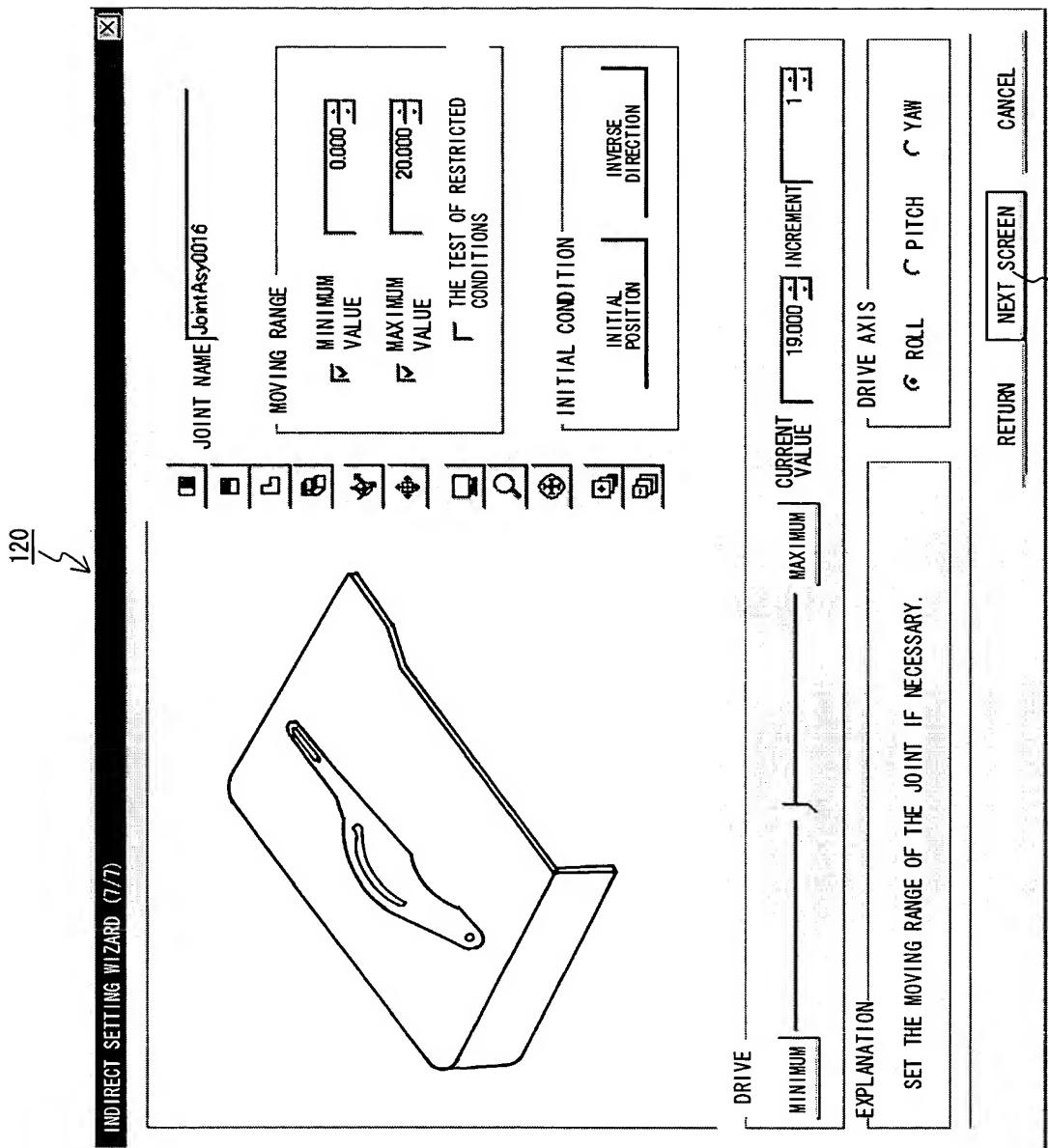
110



EXPLANATION

THE BASE UNIT OF JOINT IS SPECIFIED.
CLICK THE PART ON TREE DISPLAY, OR DOUBLE CLICK THE PART.

F I G. 5 111



F I G. 6

130

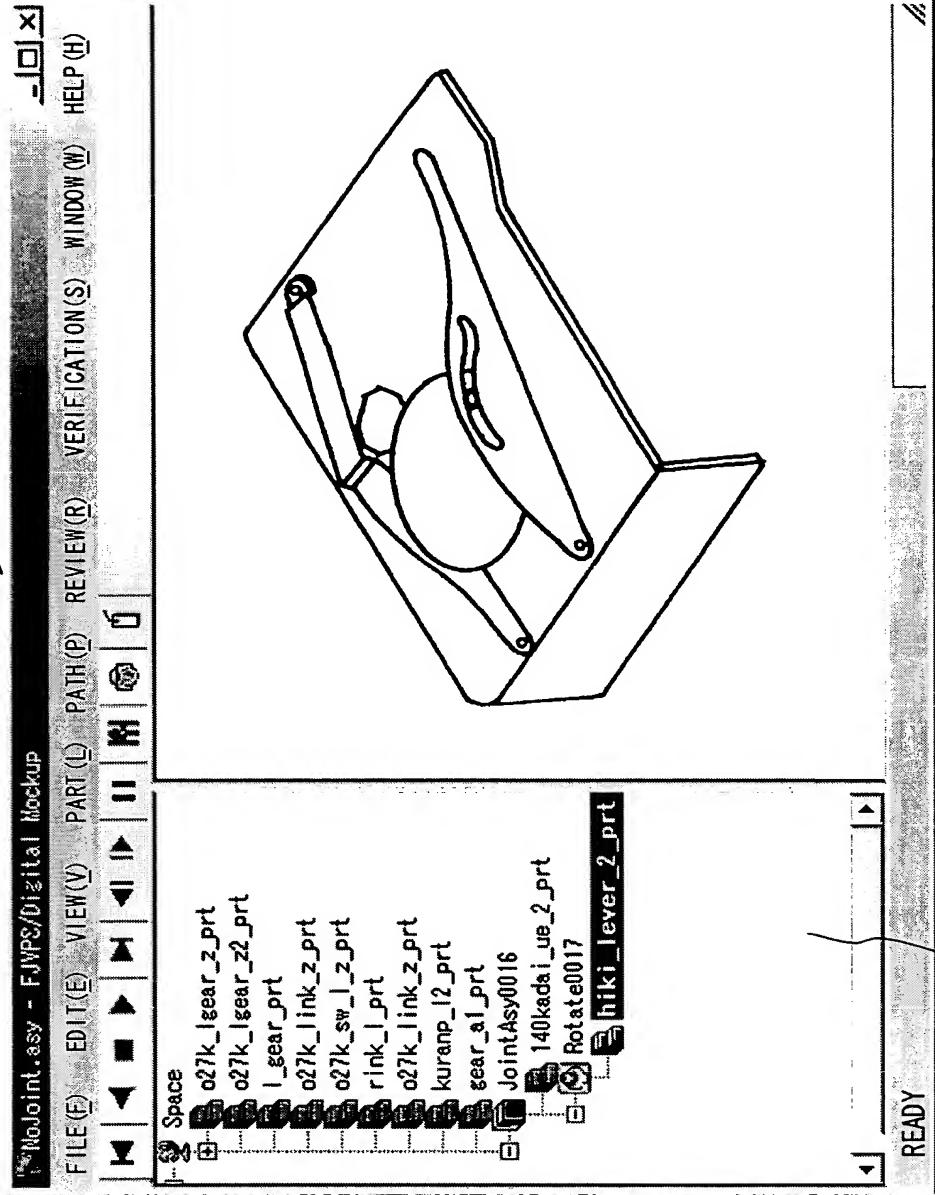
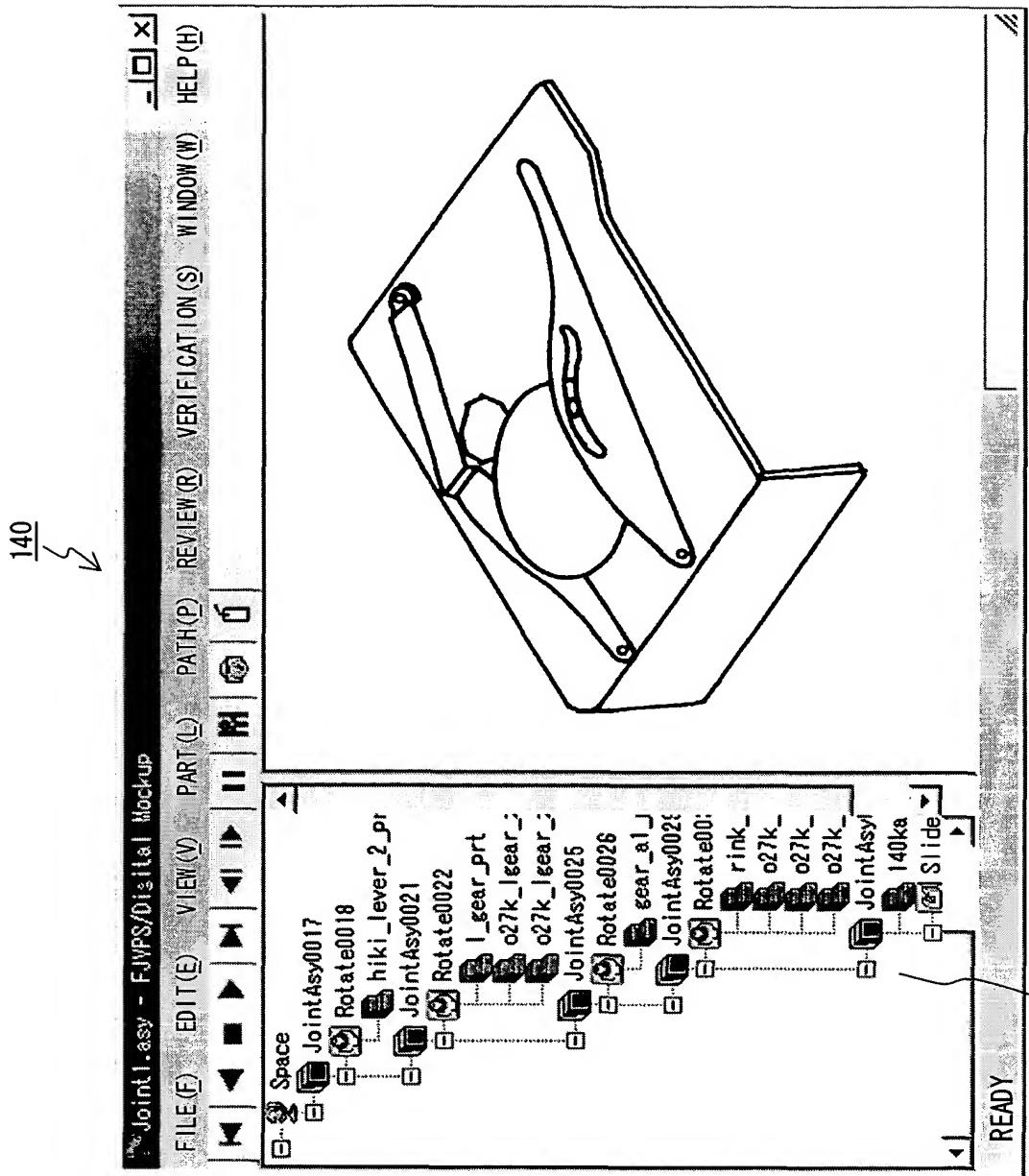


FIG. 7

131



8 FIG.

150

RELATION CLASSIFICATION SETUP

SET RELATION FOR JOINT PART.

SPECIFY TYPE OF SET RELATION.

TYPE





EXPLANATION

(1) MOVING (INTERLOCKED)UNIT.
(2) SET THE MOVING RANGE OF DRIVE PART.
(3) SET THE OPERATION WHILE CHECKING ON THE SCREEN.

RETURN

NEXT SCREEN

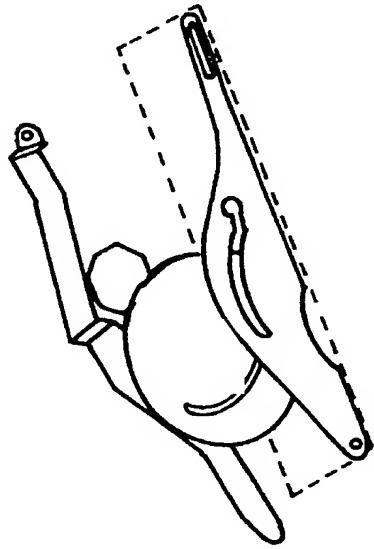
CANCEL

F I G. 9

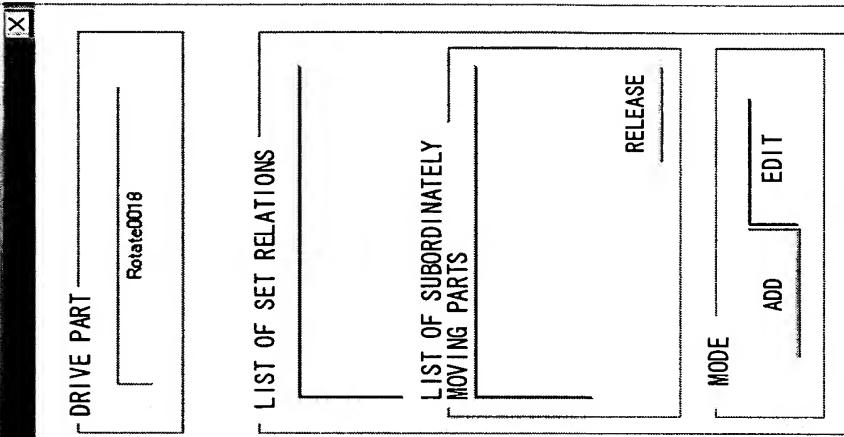
151

160

RELATION DRIVE PART SPECIFICATION



161



EXPLANATION
SPECIFY THE PART OF A DRIVE SOURCE FOR MOVING RELATED PARTS.
WHEN A RELATION-SET PART IS SELECTED, EDIT THE SET CONTENTS OF
ADD THE SUBORDINATELY MOVING PART.

RETURN | **NEXT SCREEN** | CANCEL

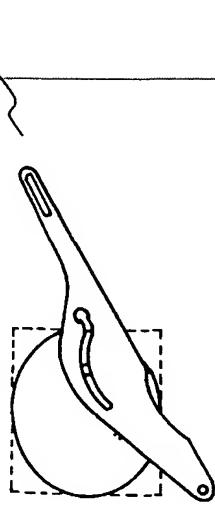
162

FIG. 10

173

FIG. 11

RETURN	NEXT/SCREEN	CANCEL
--------	-------------	--------



172

SET THE SUBORDINATELY MOVING PART

171

170

DRIVE PART	Rotated0018
SUBORDINATELY MOVING PART	Rotated0022
ADD	<< RELEASE

[Object of Setting Relation]

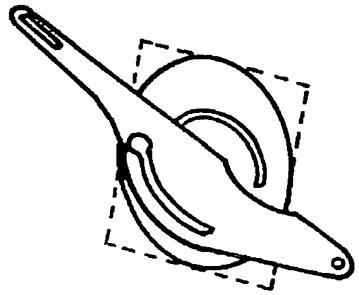
SELECTED PARTS: Rotated0022

EXPLANATION:
SET THE SUBORDINATELY MOVING PART.
PARTS NOT SPECIFIED AS SUBORDINATELY MOVING PARTS ARE NOT
DISPLAYED
AFTER CLICKING THE PARTS ON THE SCREEN, PRESS THE 'ADD' BUTTON
FOR SUBORDINATELY MOVING PART.

F I G. 1 2

181

A SETUP OF THE RELATION SPECIFICATION RANGE



180

181

182

183

184

SELECTED PARTS

DRIVE	PART NUMBER	STARTING POINT	END POINT
<input checked="" type="radio"/>	Rotated0018	0.00	33.00
	Rotated0022	0.00	95.60

FETCHING
STARTING POINT REFLECT ALL PARTS
ENDING POINT

PARTS TO BE DISPLAYED TOGETHER

SELECTED PARTS

CURRENT VALUE	95.600 <input type="text"/>	INCREMENT	1.000 <input type="text"/>
---------------	-----------------------------	-----------	----------------------------

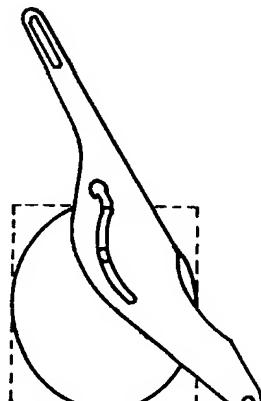
PARTS OPERATION **VIEWING OPERATION** **AUXILIARY OPERATION**

EXPLANATION

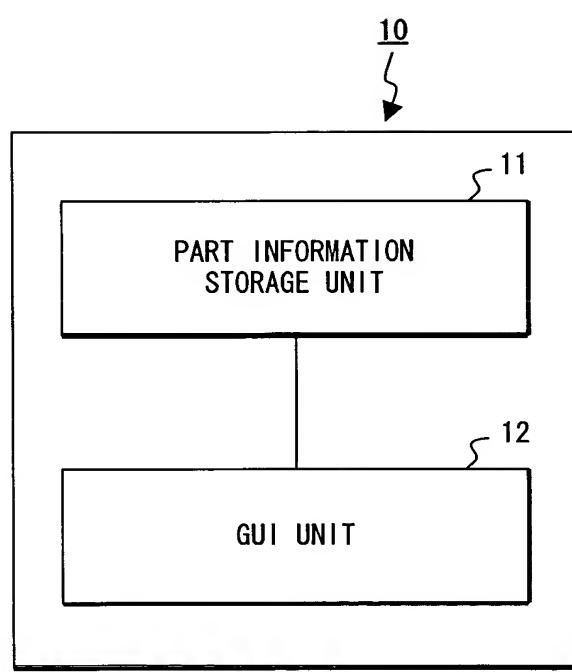
RELATION TO BE SET. THE MOVING RANGE OF A JOINT IS SPECIFIED.

RETURN **NEXT SCREEN** **CANCEL**

F I G. 1 3

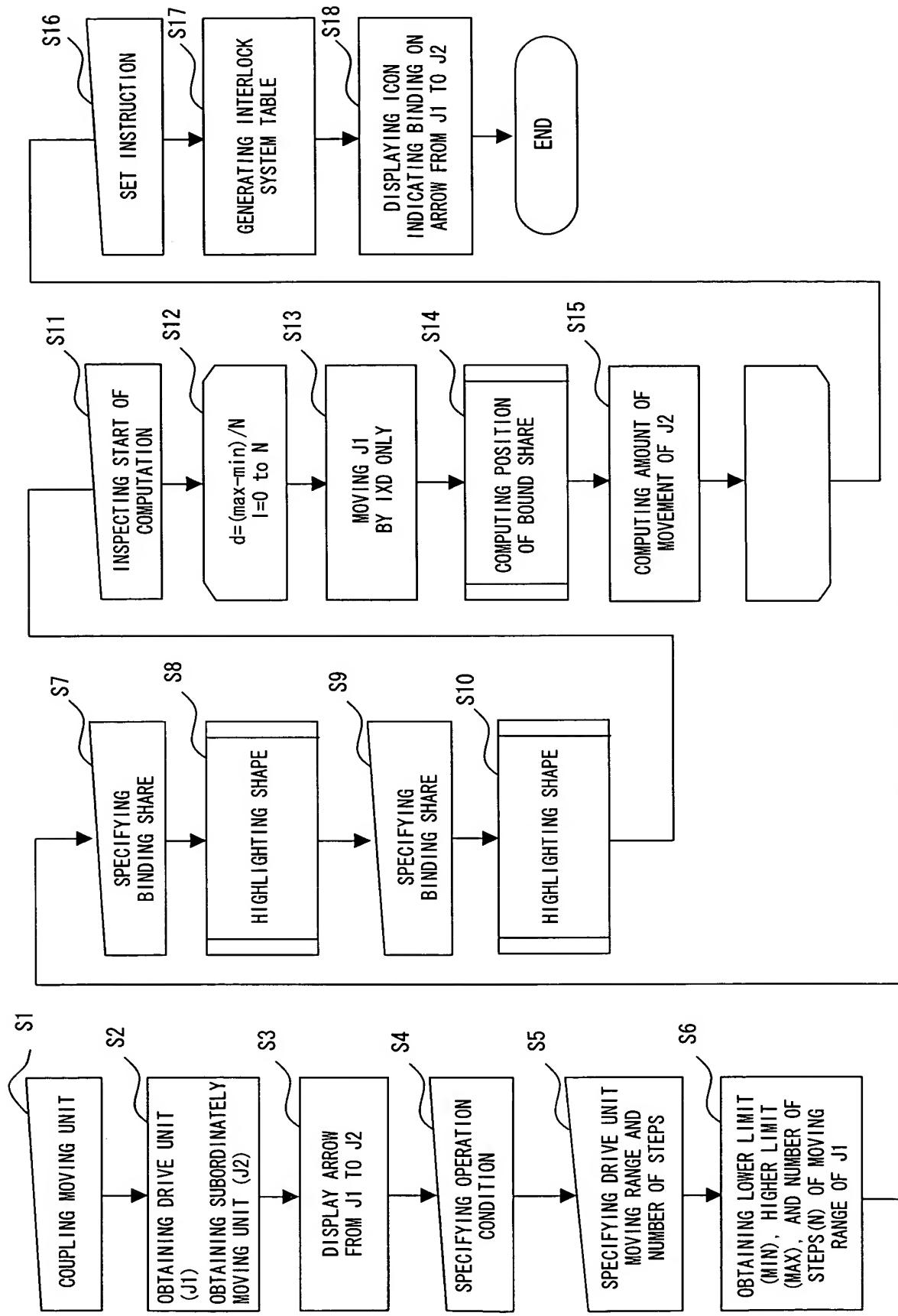
GROOVE/CAM MANUAL SETUP 	<input type="checkbox"/> SETTING INTERLOCK SYSTEM <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>No.</th> <th>Rotated...</th> <th>Rotated...</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.000</td><td>0.000</td></tr> <tr><td>2</td><td>2.023</td><td>4.773</td></tr> <tr><td>3</td><td>6.155</td><td>12.957</td></tr> <tr><td>4</td><td>6.705</td><td>16.955</td></tr> <tr><td>5</td><td>33.000</td><td>95.600</td></tr> </tbody> </table> <input type="button" value="FETCH >>"/> <input type="button" value="<< RELEASE"/> <input type="button" value="CLEAR OUTWARD"/> <input type="checkbox"/> FORWARD THE PART AT FETCH	No.	Rotated...	Rotated...	1	0.000	0.000	2	2.023	4.773	3	6.155	12.957	4	6.705	16.955	5	33.000	95.600	<input type="checkbox"/> HYSTESIS <input type="checkbox"/> VALID	<input type="button" value="SET"/> <input type="button" value="RELEASE"/> <input type="button" value="STORE"/> <input type="button" value="READ"/>	DRIVE PART <input type="button" value="START"/> <input type="button" value="RIGHT DIRECTION"/> <input type="button" value="INVERSE DIRECTION"/>	<input type="button" value="RETURN"/> <input type="button" value="NEXT SCREEN"/> <input type="button" value="CANCEL"/>
No.	Rotated...	Rotated...																					
1	0.000	0.000																					
2	2.023	4.773																					
3	6.155	12.957																					
4	6.705	16.955																					
5	33.000	95.600																					
SELECTED PARTS CURRENT VALUE <input type="text" value="16955"/> INCREMENT <input type="text" value="1.000"/>	EXPLANATION AFTER FETCHING THE POSITION, THE SETTING BUTTON IS PRESSED, THEREBY SETTING THE INTERLOCK SYSTEM.																						

190
↙
191
↙

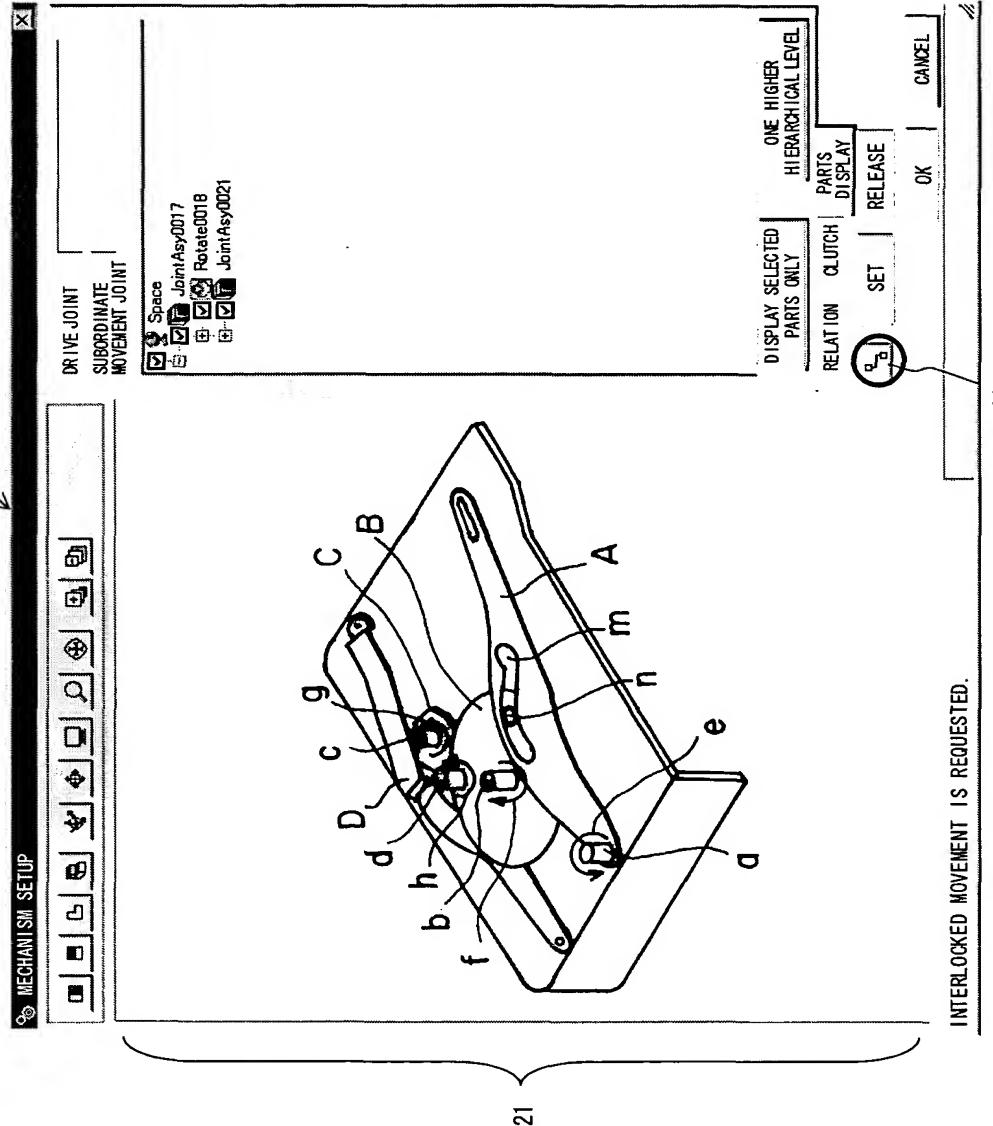


F I G. 1 4

F I G. 1 5



20

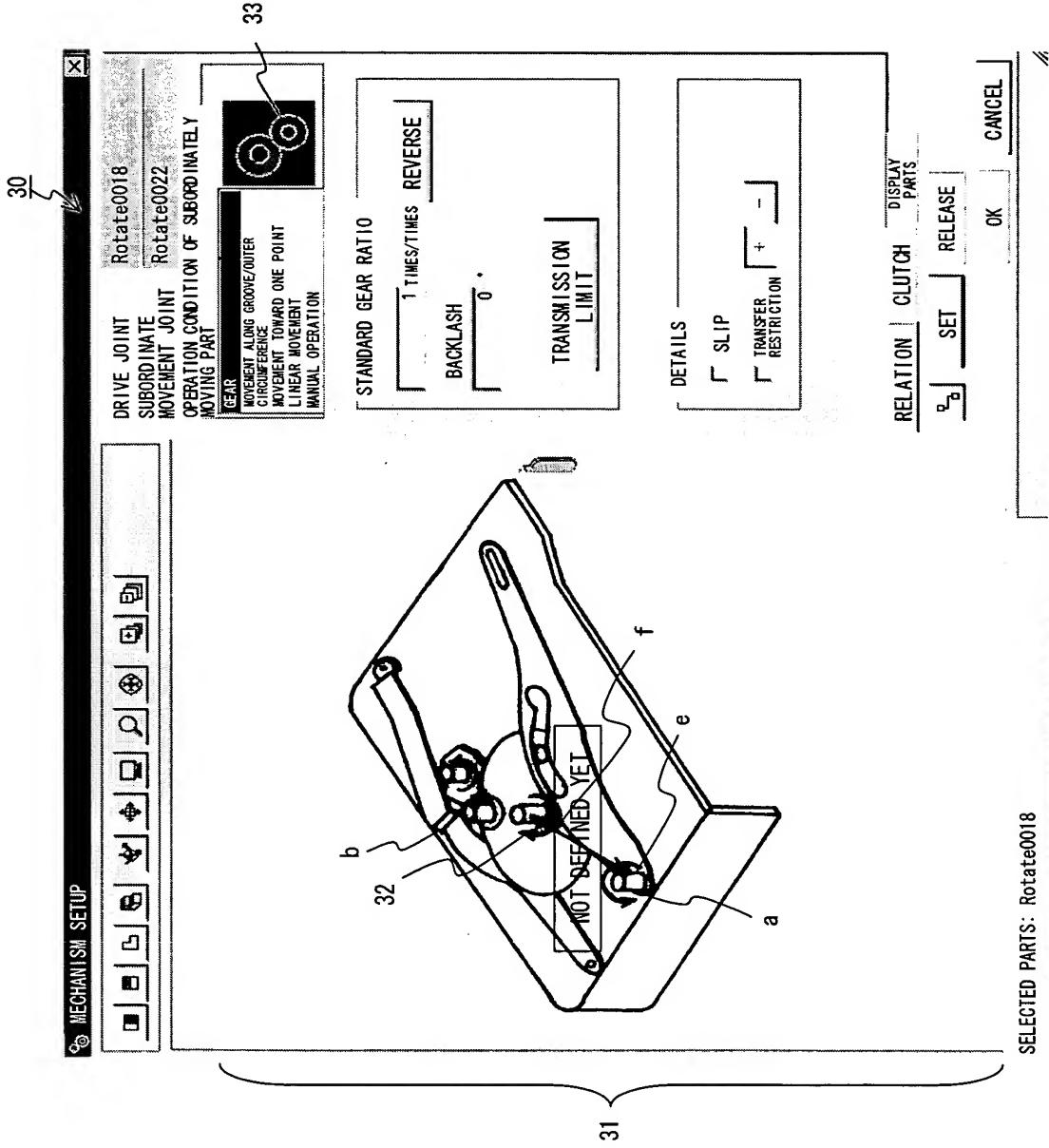


21

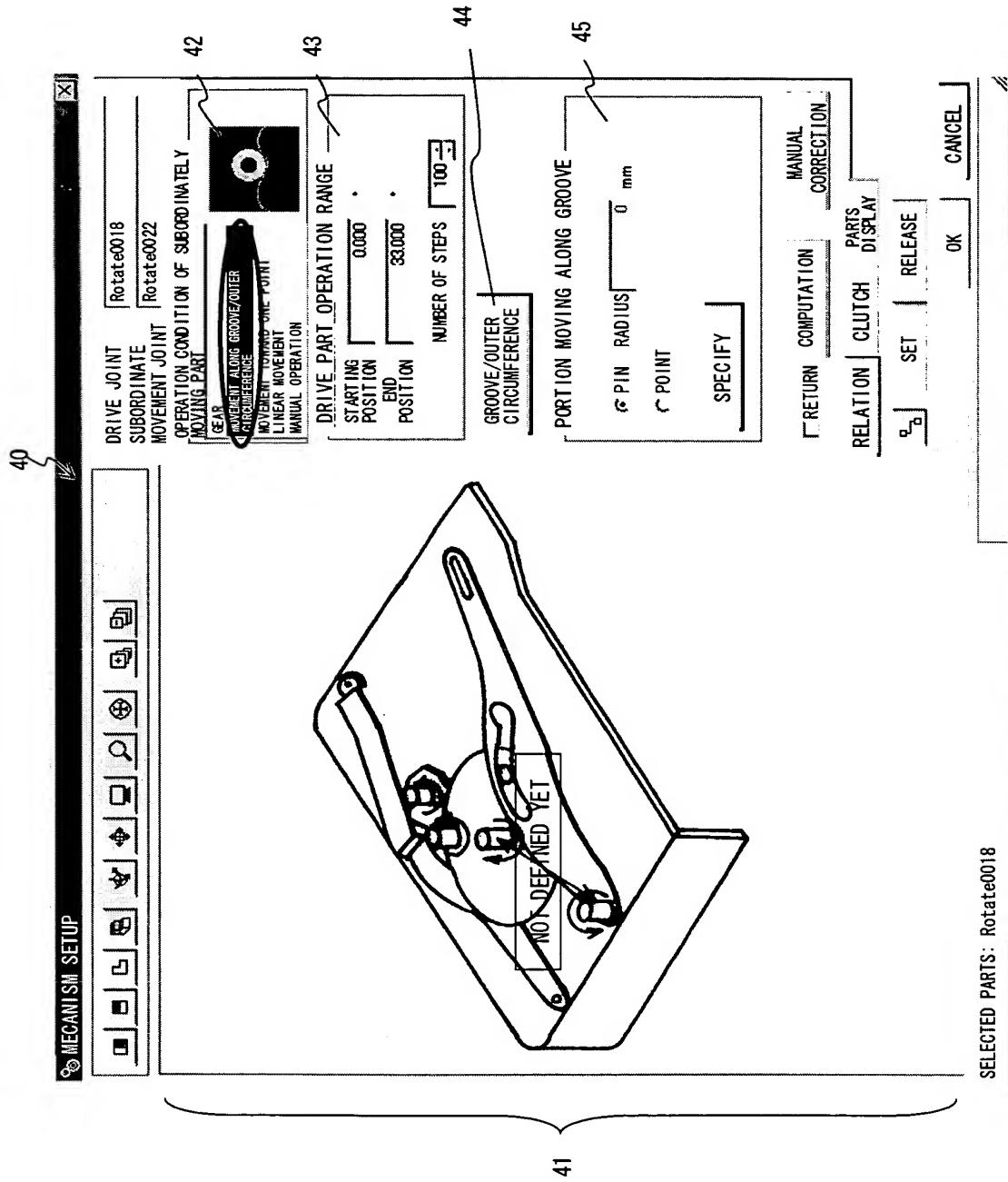
F I G. 16

22

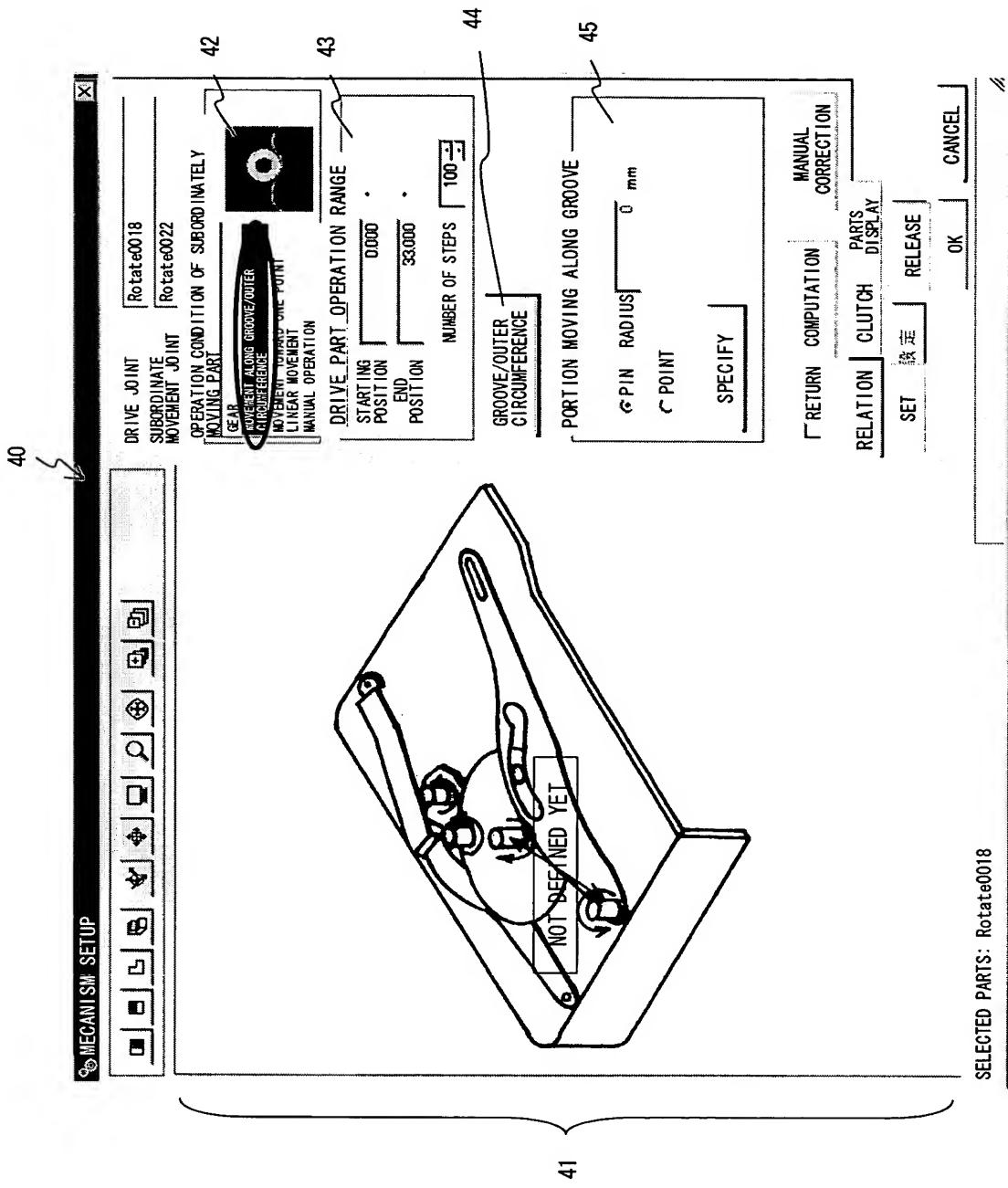
FIG. 17



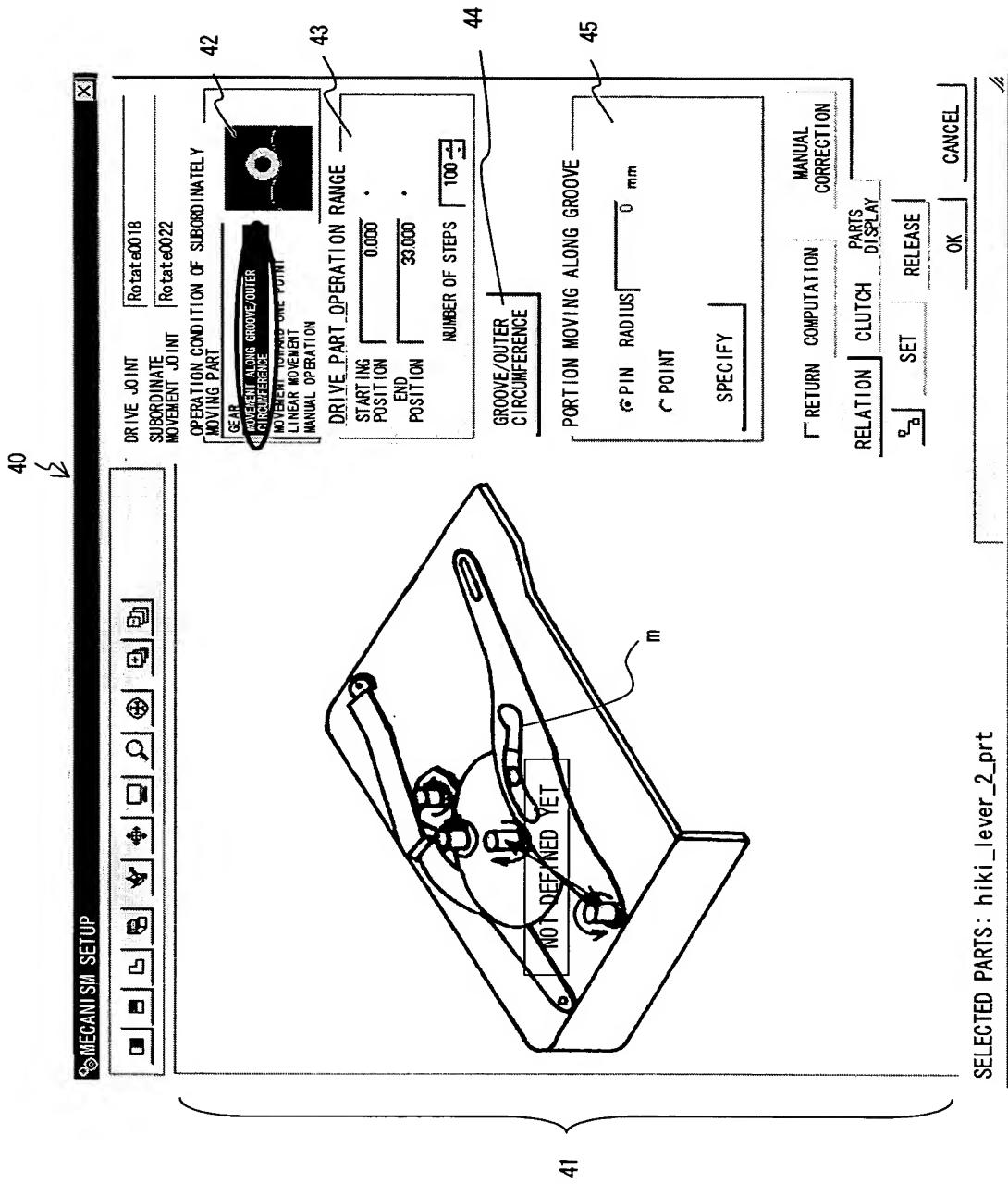
F I G. 18



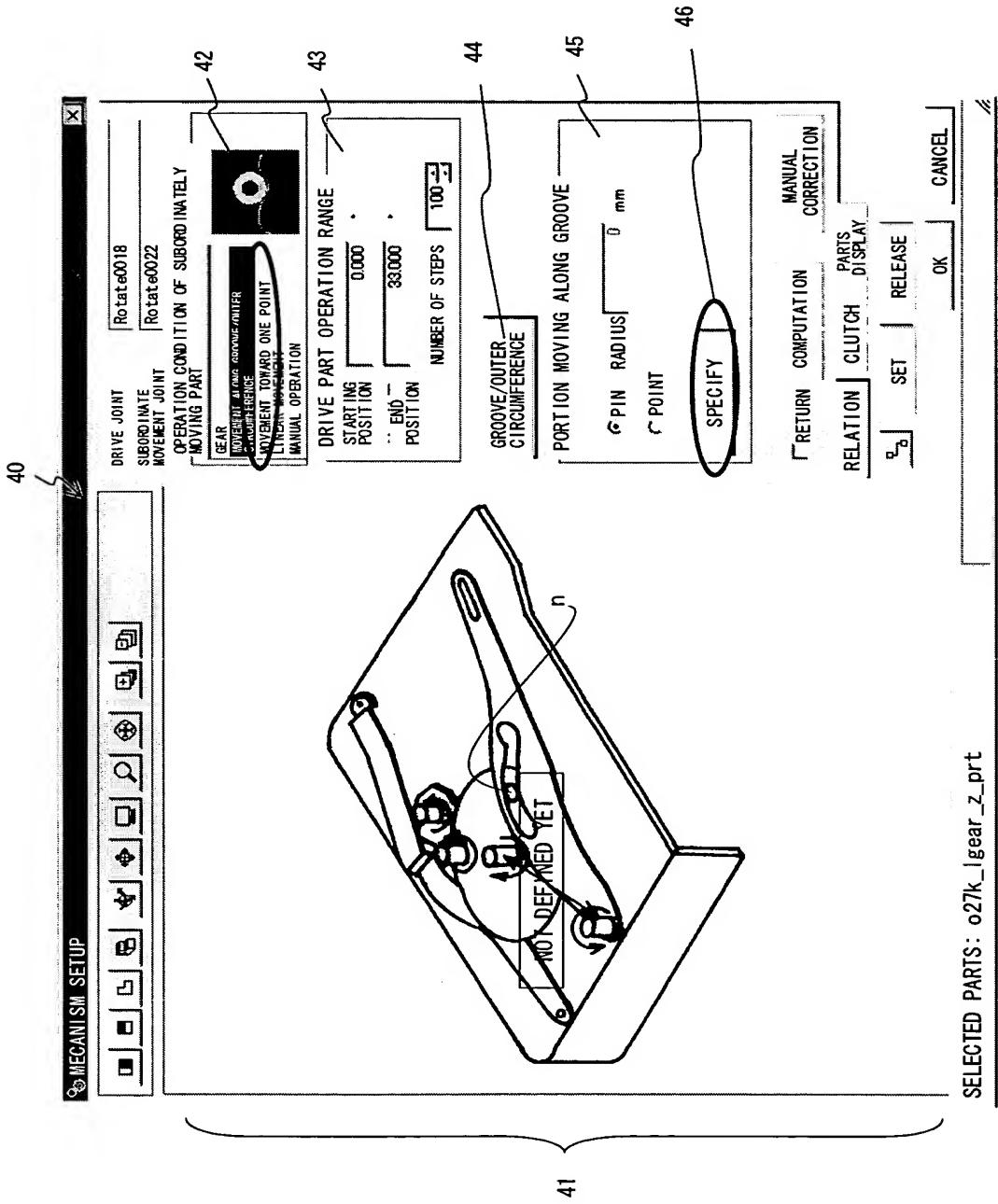
F I G. 19



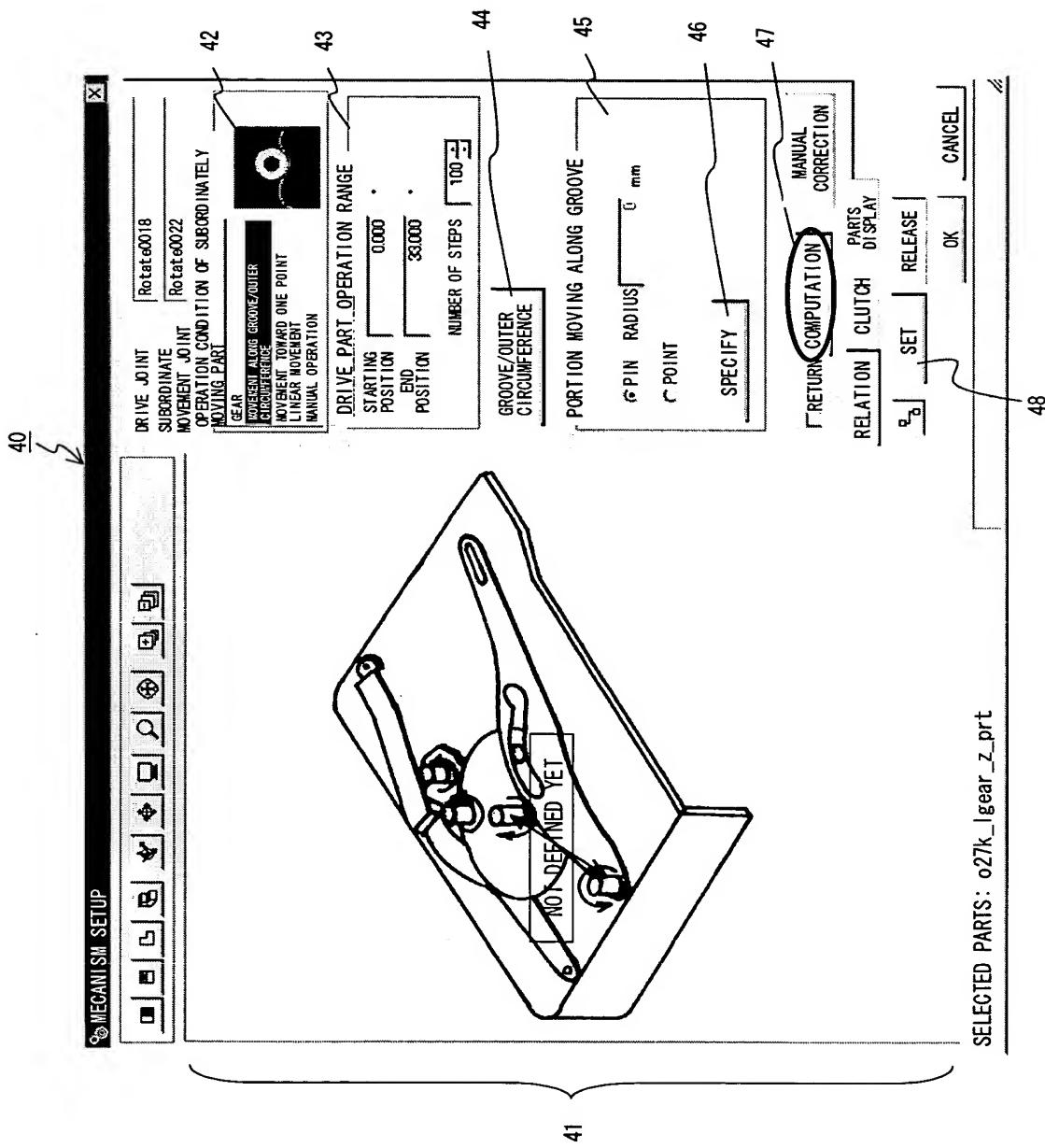
F I G. 20



F I G. 21



F I G. 2 2



41

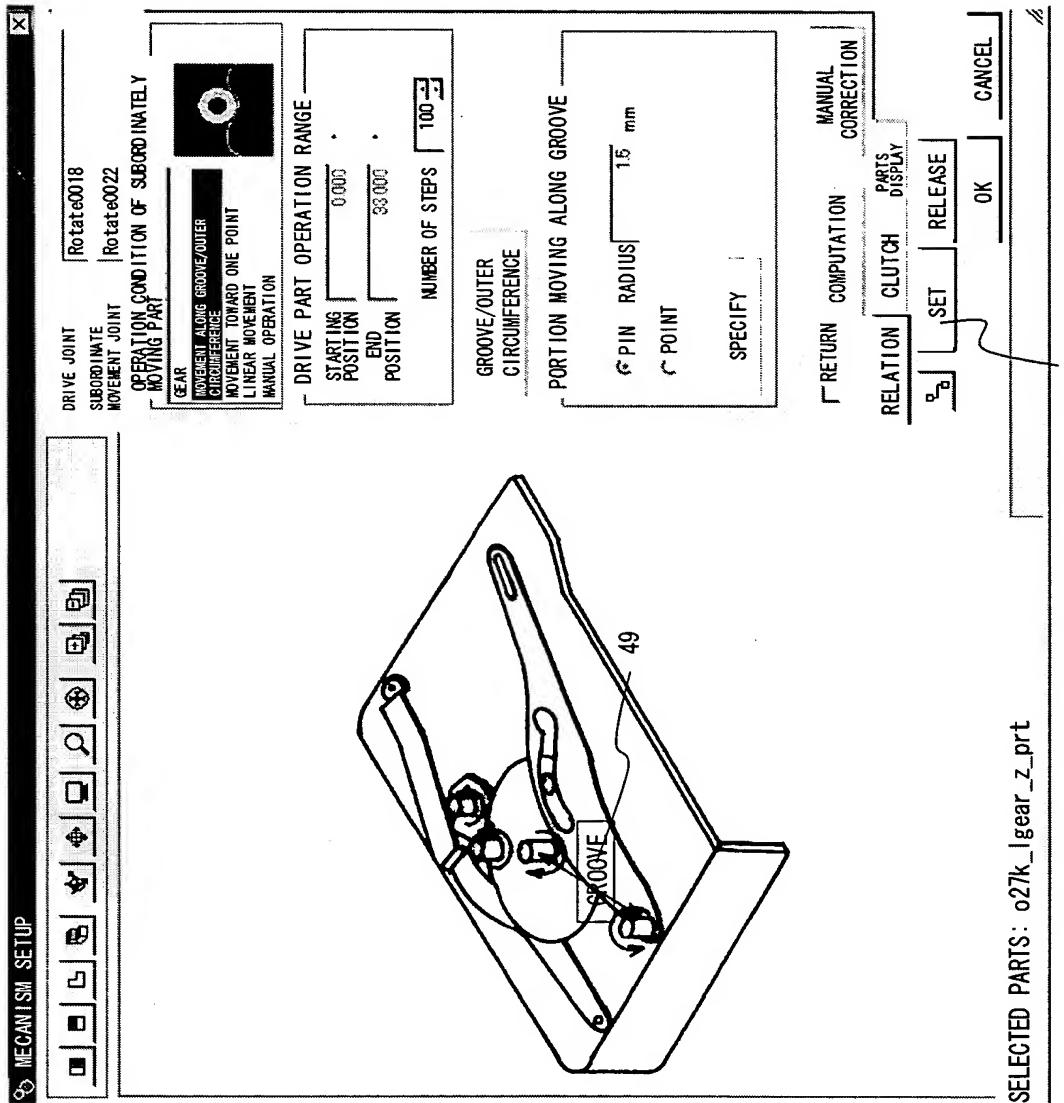
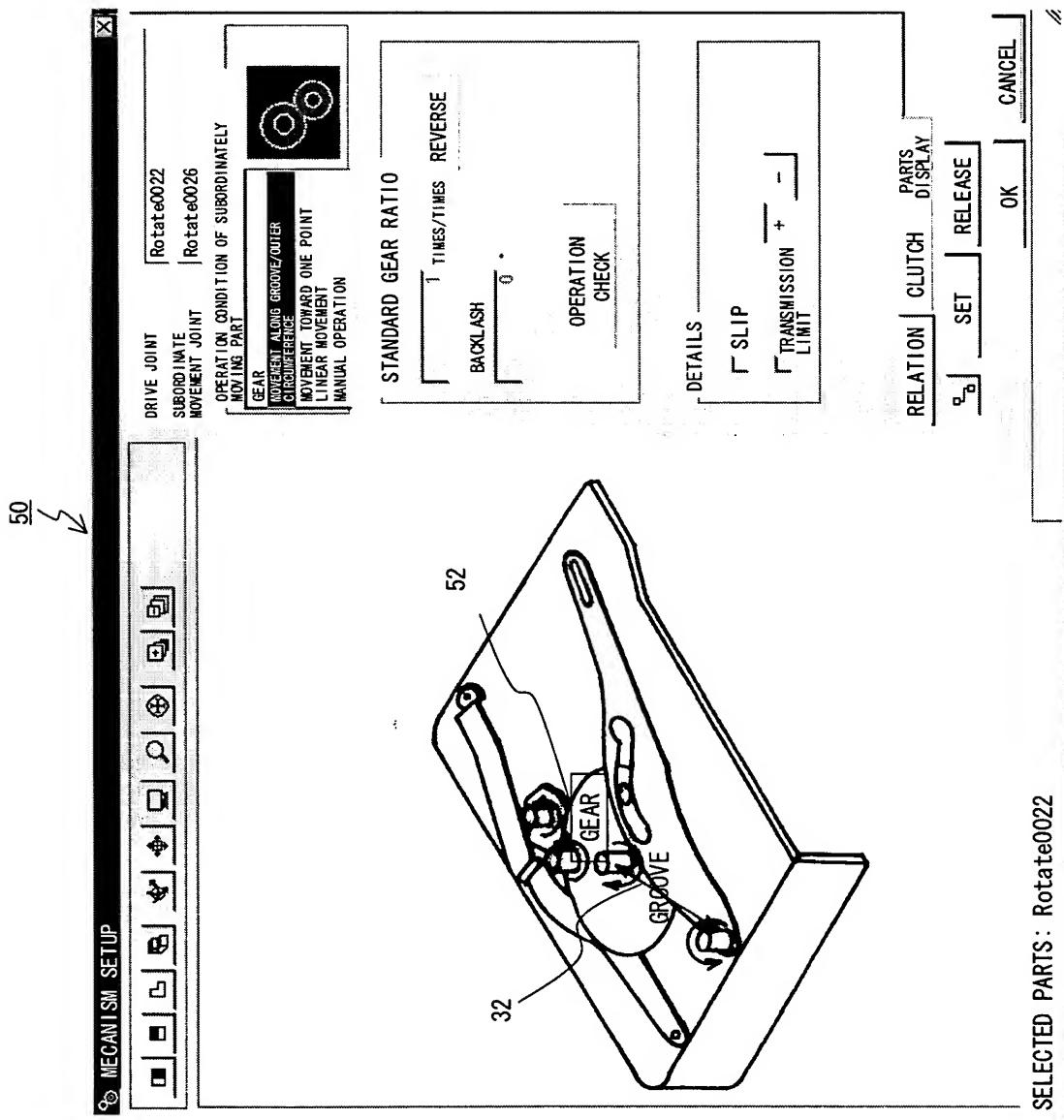


FIG. 23

F I G. 24

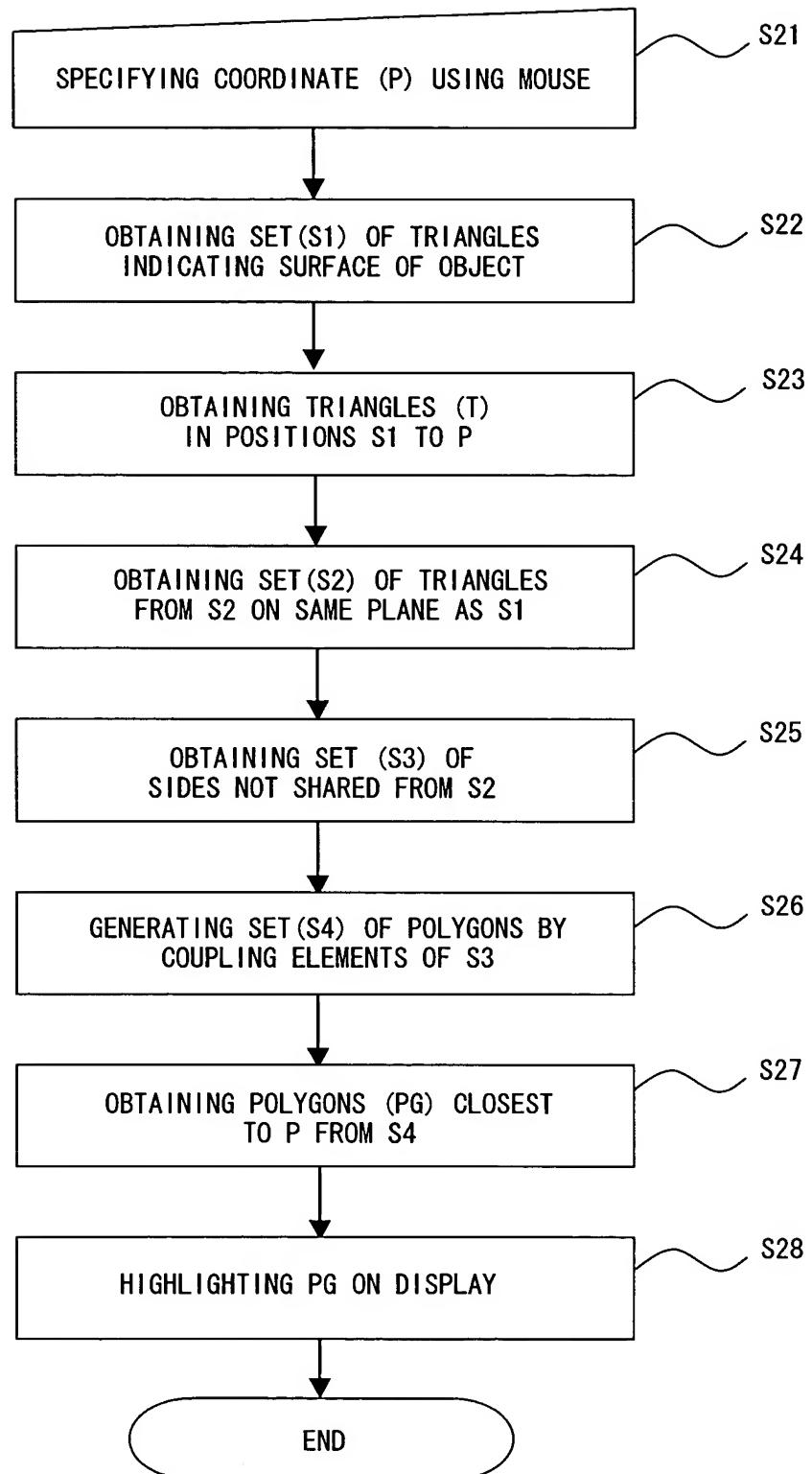


MOVING UNIT A	MOVING UNIT B
0.00	-0.06
0.01	-0.03
0.02	0.00
0.03	0.03
:	:

F I G. 25A

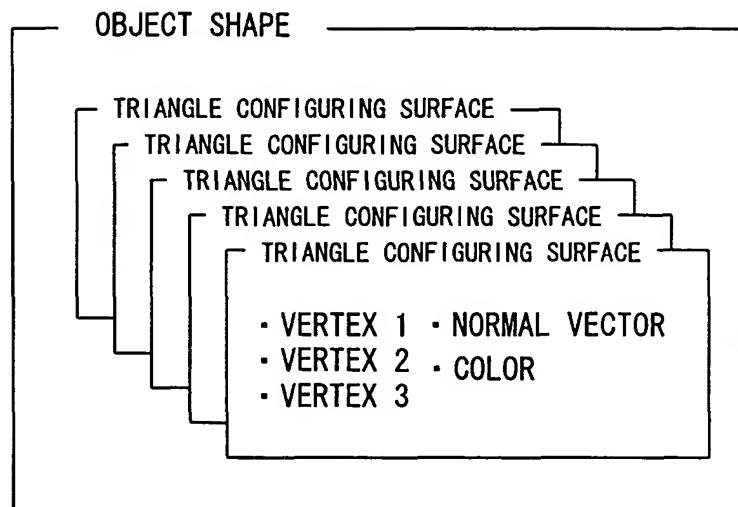
MOVING UNIT B	MOVING UNIT C
0.00	0.00
0.01	0.01
0.02	0.02
0.03	0.03
:	:

F I G. 25B

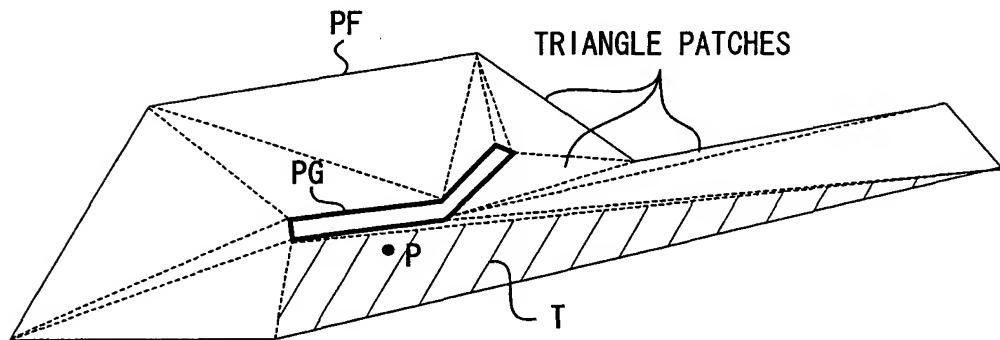


F I G. 2 6

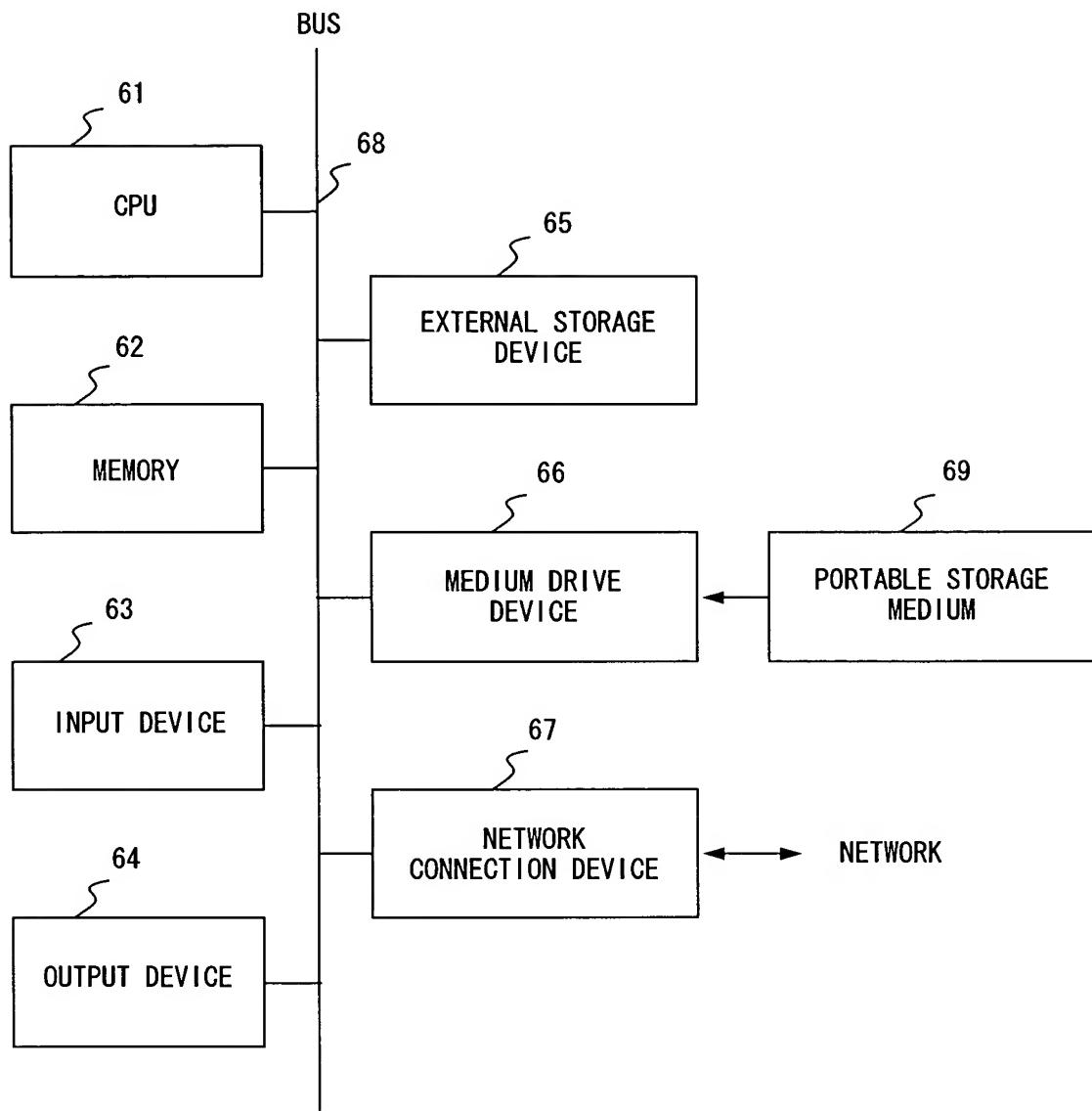
DATA STRUCTURE OF SHAPE DATA



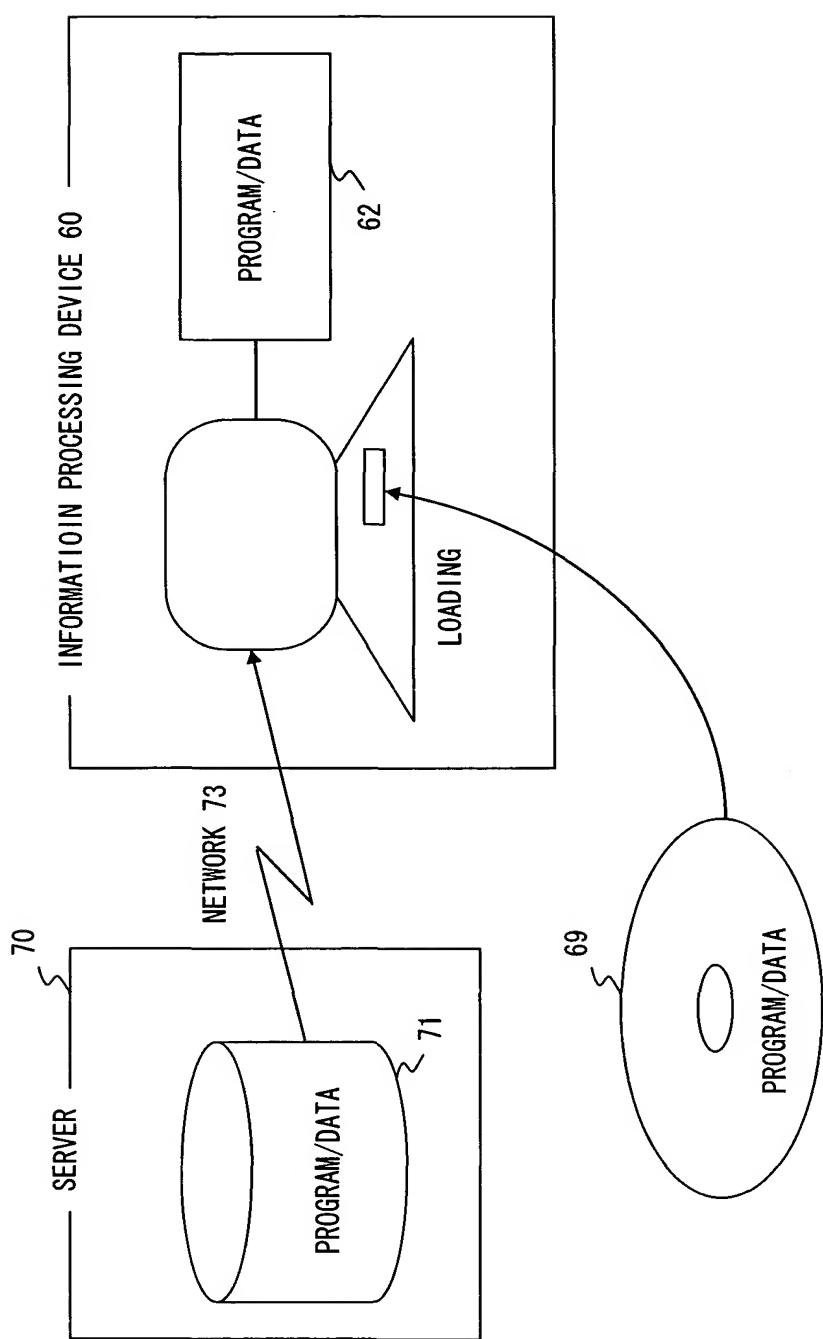
F I G. 27 A



F I G. 27 B



F I G. 28



F I G. 29